## **CLAIMS**

What is claimed is:

Sul		<ol> <li>A method for evaluating plane equations on a patch of pixels, comprising the actions of: evaluating the plane equations at a base location which is not external to the patch;</li> </ol>
•	5	computing plane equation valuation offsets for a plurality of spatial
	6	offsets from said base location.
reder fleste fleste fleste seeth. Will fleste it. 1882 fleste fleste fleste fleste fleste fleste fleste fleste	1 2 1 2	<ul> <li>2. The method of Claim 1, wherein said base location is on the patch's boundary.</li> <li>3. A parallelized method for evaluating plane equations on a patch of pixels, comprising the actions of:</li> </ul>
	3	converting the plane equations to a format in which x and y coordinates are referenced to a base location which is within
	<i>4</i> 5	one patch width from the patch being tested; and
n.	6	computing plane equation valuation offsets for a plurality of spatial
	7	offsets from said base location.
	1	4. A parallellized method for rapidly testing membership of pixels in
	2	a fragment, comprising the steps of:
	3	(a.) defining half-plane membership functions with reference to a
	4	base point which is not outside the fragment;
	5	(b.) evaluating said membership functions at a base location which
	6	is not external to the patch; and
	7	(c.) clamping extreme values of said membership functions.
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- 5. A parallellized method for rapidly testing membership of patches of pixels in a fragment, comprising the steps of:
  - (a.) defining half-plane membership functions with reference to a base point which is not outside the fragment;
  - (b.) evaluating said membership functions in parallel, for pixels of a patch; and
  - (c.) clamping extremed values of said membership functions.
- 6. The method of Claim 4, wherein said clamping step limits dynamic range of said membership functions to less than 10 bits.
- 7. The method of Claim 5, wherein said clamping step limits dynamic range of said membership functions to less than 10 bits.